

CITY OF SPRINGFIELD  
INTER-OFFICE MEMORANDUM

ATTENTION OF Henry Cole  
Sanitary Engineer  
DEPARTMENT \_\_\_\_\_

DATE September 17, 1981

On September 15, 1981 I talked to Mr. Calvert of Calvert's Cafeteria. I explained to him the problems with grease accumulation and blockages in the sanitary sewer. Mr. Calvert restated his opinion that the grease was not coming from his business.

On September 16th, Pabst, Slaughter and Short dyed all the homes and businesses located near manholes 39 to 40 on Map N-10. This line is located in the alley behind Calvert's. Our dying indicates Calvert's is the only property attached upstream on the manhole located in Tampa Street (M.H. 40).

I have made arrangements for Mr. Calvert to observe our flusher clean the line from M.H. 40 north to M.H. 39 north Friday the 18th.

Because of the regularity and severity I would like to require Calvert's install a grease trap to hopefully help our maintenance problem. Having talked to Mr. Calvert many times, I expect he will not volunteer to install any new equipment. Some type of enforcement action will probably have to be initiated by our office.

SDS

SIGNED \_\_\_\_\_  
Stephen D. Short  
Water Pollution Control  
Inspector II *625 N. BENTON*



CITY OF SPRINGFIELD  
INTER-OFFICE MEMORANDUM

ATTENTION OF Henry Cole  
DEPARTMENT Sanitary Engineer

DATE September 15, 1981

On Friday, September 11, 1981 the sanitary sewer backed up because of an apparent grease blockage between manholes 43 and 41 on Wye Map N-10. I saw large volumes of grease in manholes 40 and 41. Grace Mfg. at 518 N. Jefferson had sewage back up out of stools and sinks.

The problem of grease stopping up the sewer main occurs with regularity. In the past it has taken in excess of 10 hours for the line to be opened. The Maintenance Section felt the flusher is the only equipment that can open the main. The problem is compounded by the two manholes I discussed with you Friday. Manhole 42 is located in the tracks in Phelps Street. The actual manhole is located between the tracks with a second manhole and crawl space connecting the two located to the north side. The manhole over the 24" main is located in a building occupied by C. Meek Lumber, who denies access.

This office has contacted Mr. Calvert at Calvert's Cafeteria in the past about our grease problems. The cafeteria is the only logical source of grease. Calvert's is located at the start of the sewer line. There are no other apparent sources of grease.

This office has an appointment on September 15, with Mr. Calvert, to discuss the problem. Three years ago Southwest Plumbing installed oversized grease interceptors under his sinks and dishwasher. These interceptors are on a routine cleaning schedule according to David Davidson, Cafeteria Manager. Our experience with this type of interceptor is the grease is not captured and flows through the system to our mains. This is the same type that is installed in most new construction.

Stephen D. Short  
SIGNED Water Pollution Control Inspector II

SDS  
625 N. BENTON



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Stephen D. Short  
Water Pollution Control Inspector II

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625 N. BENTON



CITY OF SPRINGFIELD  
INTER-OFFICE MEMORANDUM

ATTENTION OF Henry Cole

DATE November 19, 1981

DEPARTMENT Sanitary Engineer

We have collected background information on Calvert's Cafeteria and a few other eating establishments. These results are to be used only for information because sampling techniques were not per "standard methods." Reported results can be considered less than the actual concentration of oil and grease.

NAME	DATE	SAMPLE	RESULT, mg/L
1. Calvert's	9/24/81	3:00 p.m. - 9:00 p.m.	5508
2. Fremont Ctr. - Heritage	10/5/81	3:00 p.m. Grab	370
3. Steak and Ale	10/5/81	2:00 p.m. Grab	206
4. Taco Hut	10/6/81	2:30 p.m. Grab	400
5. Kearney - Long John Silver's	10/6/81	2:00 p.m. Grab	52
6. Kearney - Church's	10/7/81	2:15 p.m. Grab	1881
7. Marketplace	10/7/81	2:30 p.m. Grab	32
8. Calvert's	10/27/81	3:00 p.m., individual, 15 min. intervals	
		3:00	177
		3:15	674
		3:30	71
		S	
		4:00	520
		4:15	1094
		4:30	180
		S	
		5:45	1743
		6:00	111
		6:15	273
		6:30	180
		6:45	57
		7:00	371
		7:15	229
		7:30	1420
		7:45	451
		8:00	166

cc: File

SIGNED Stephen D. Short

625 N. BENTON

INDUSTRIAL WASTE  
MONITORING AND ANALYSES REPORT

Plant CALVERTS (CAL'S #3) SIC \_\_\_\_\_ Date 10/27/81 10/30/81 Time \_\_\_\_\_

Sampling point \_\_\_\_\_ Method \_\_\_\_\_

Set up by \_\_\_\_\_ Removed by \_\_\_\_\_ Time \_\_\_\_\_

Flow \_\_\_\_\_ Meter Start \_\_\_\_\_ Meter Ending \_\_\_\_\_

Seal \_\_\_\_\_ Entered in billing file \_\_\_\_\_ by \_\_\_\_\_

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1	DATE	046	BOD <sub>5</sub>				
2			Total SS				
3	10/28 #1	177 MG/L	pH				
4	10/28 #2	674 MG/L	Organic Carbon				
5	10/30 #3	71 MG/L	Total Carbon				
6	11/2 #5	520 MG/L	C.O.D.				
7	11/2 #6	1094 MG/L	O-PO <sub>4</sub> -P				
8	11/4 #7	180 MG/L	TP				
9	11/4 #13	1743 MG/L	NH <sub>3</sub> -N				
10	11/6 #16	180 MG/L	TKN				
11	11/6 #17	57 MG/L	Phenol				
12	11/5 #14	111 MG/L	Oil & Grease ✓				
13	11/5 #15	273 MG/L	Nitrate				
14	#18	371 MG/L	Nitrite				
15	#19	229 MG/L					
16	#20	1420 MG/L					
17	#21	451 MG/L					
18	#22	166 MG/L					
19							
20							
21							
22							
23							
24							

INDUSTRIAL WASTE  
MONITORING AND ANALYSES REPORT

Plant MARKET PLACE SIC \_\_\_\_\_ Date 10/7/81 Time 2:30pm  
 Sampling point SAMPLEING M.H. Method GRAB  
 Set up by \_\_\_\_\_ Removed by LYMAN + SHORT Time \_\_\_\_\_  
 Flow \_\_\_\_\_ Meter Start \_\_\_\_\_ Meter Ending \_\_\_\_\_  
 Seal \_\_\_\_\_ Entered in billing file \_\_\_\_\_ by \_\_\_\_\_

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD <sub>5</sub>				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			O-PO <sub>4</sub> -P				
8			TP				
9			NH <sub>3</sub> -N				
10			TKN				
11			Phenol				
12			Oil & Grease			32 mg/l	
13			Nitrate				
14			Nitrite				
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							



INDUSTRIAL WASTE  
MONITORING AND ANALYSES REPORT

Plant Church's Chicken W. KANSAS Date 10/7/81 Time 2:15 pm  
 Sampling point M. H. Method GRAB  
 Set up by \_\_\_\_\_ Removed by LYMAN + SHORT Time \_\_\_\_\_  
 Flow \_\_\_\_\_ Meter Start \_\_\_\_\_ Meter Ending \_\_\_\_\_  
 Seal \_\_\_\_\_ Entered in billing file \_\_\_\_\_ by \_\_\_\_\_

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD <sub>5</sub>				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			O-PO <sub>4</sub> -P				
8			TP				
9			NH <sub>3</sub> -N				
10			TKN				
11			Phenol				
12			Oil & Grease			1881 mg/l	
13			Nitrate				
14			Nitrite				
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							



CITY OF SPRINGFIELD  
INTER-OFFICE MEMORANDUM

OCT 7 1981

ATTENTION OF Water Pollution Contr  
DEPARTMENT Public Works

DATE 10/5/81

Results of oil & grease analysis on Culverts  
Cafeteria (9/24/81).

O+G = 5508 mg/l

SIGNED Thomas Hulet

INDUSTRIAL WASTE  
MONITORING AND ANALYSES REPORT

OCT 20 1981

Plant LONG JOHN SILVERS SIC \_\_\_\_\_ Date 10/6/81 Time 2:00 pm

Sampling point M.H. Method GRAB

Set up by \_\_\_\_\_ Removed by \_\_\_\_\_ Time \_\_\_\_\_

Flow \_\_\_\_\_ Meter Start \_\_\_\_\_ Meter Ending \_\_\_\_\_

Seal \_\_\_\_\_ Entered in billing file \_\_\_\_\_ by \_\_\_\_\_

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD <sub>5</sub>				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			O-PO <sub>4</sub> -P				
8			TP				
9			NH <sub>3</sub> -N				
10			TKN				
11			Phenol				
12			Oil & Grease			52 mg/l	
13			Nitrate				
14			Nitrite				
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							



OCT 20 1981

# INDUSTRIAL WASTE MONITORING AND ANALYSES REPORT

Plant TACO HUT SIC \_\_\_\_\_ Date 10/6/81 Time 2:30 p.m.  
 Sampling point \_\_\_\_\_ Method GRAB  
 Set up by \_\_\_\_\_ Removed by \_\_\_\_\_ Time \_\_\_\_\_  
 Flow \_\_\_\_\_ Meter Start \_\_\_\_\_ Meter Ending \_\_\_\_\_  
 Seal \_\_\_\_\_ Entered in billing file \_\_\_\_\_ by \_\_\_\_\_

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD <sub>5</sub>				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			O-PO <sub>4</sub> -P				
8			TP				
9			NH <sub>3</sub> -N				
10			TKN				
11			Phenol				
12			Oil & Grease			400 mg/l	
13			Nitrate				
14			Nitrite				
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

OCT 20 1981

OCT 20 1981

INDUSTRIAL WASTE  
MONITORING AND ANALYSES REPORT

Plant STEAK + ALE SIC \_\_\_\_\_ Date 10/5/81 Time 2:00pm.  
Sampling point M.H. Method GRAB  
Set up by \_\_\_\_\_ Removed by LYMAN + SHORT Time \_\_\_\_\_  
Flow \_\_\_\_\_ Meter Start \_\_\_\_\_ Meter Ending \_\_\_\_\_  
Seal \_\_\_\_\_ Entered in billing file \_\_\_\_\_ by \_\_\_\_\_

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD <sub>5</sub>				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			O-PO <sub>4</sub> -P				
8			TP				
9			NH <sub>3</sub> -N				
10			TKN				
11			Phenol				
12			Oil & Grease			206 mg/l	
13			Nitrate				
14			Nitrite				
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							



INDUSTRIAL WASTE  
MONITORING AND ANALYSES REPORT

OCT 20 1981

Plant HERITAGE CAF. FREMONT SIC \_\_\_\_\_ Date 10/5/81 Time 3:00 pm

Sampling point M.H. Method GRAB

Set up by \_\_\_\_\_ Removed by LYMAN + SHORT Time \_\_\_\_\_

Flow \_\_\_\_\_ Meter Start \_\_\_\_\_ Meter Ending \_\_\_\_\_

Seal \_\_\_\_\_ Entered in billing file \_\_\_\_\_ by \_\_\_\_\_

Sample No.	Time	Meter Reading	Test	Date	Analyst	Result	#
1			BOD <sub>5</sub>				
2			Total SS				
3			pH				
4			Organic Carbon				
5			Total Carbon				
6			C.O.D.				
7			O-PO <sub>4</sub> -P				
8			TP				
9			NH <sub>3</sub> -N				
10			TKN				
11			Phenol				
12			✓ Oil & Grease			370 mg/l	
13			Nitrate				
14			Nitrite				
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							